

SLPH Environmental Sciences Lab Update for Children's Environmental Health

NC State Laboratory of Public Health
Environmental Sciences Section



NC DEPARTMENT OF
**HEALTH AND
HUMAN SERVICES**
Division of Public Health

STATE LABORATORY OF PUBLIC HEALTH

Electronic Test Orders and Results (ETOR)

Part of a collaboration between public health laboratories and the CDC to modernize data systems.

The **Lab Web Portal (LWP)** is a part of the SLPH's implementation of ETOR. It enables electronic ordering, tracking, and results access for clinical, environmental and rabies testing at NCSLPH.



Electronic Test Orders and Results (ETOR)

LWP: Benefits for LHDs (environmental)

- Workflow tracking
- Copy functionality for routine tests
- Faster result reporting with immediate access to reports

LWP: Benefits for NCSLPH

- Digitized requisitions
- Integration with LIMS
- Streamlined process



Electronic Test Orders and Results (ETOR)

Q: Does the LWP include ALL testing submitted to the NCSLPH?

A: No. Some programs continue to operate as normal. Environmental Lead is not included in the LWP.

Q: How does LWP impact the Environmental Lead program?

A: Not much. The sample ID numbers are now associated with the Julian date instead of calendar date. (e.g. N260040-000101 instead of ES260209-0001-001)



Electronic Test Orders and Results (ETOR)

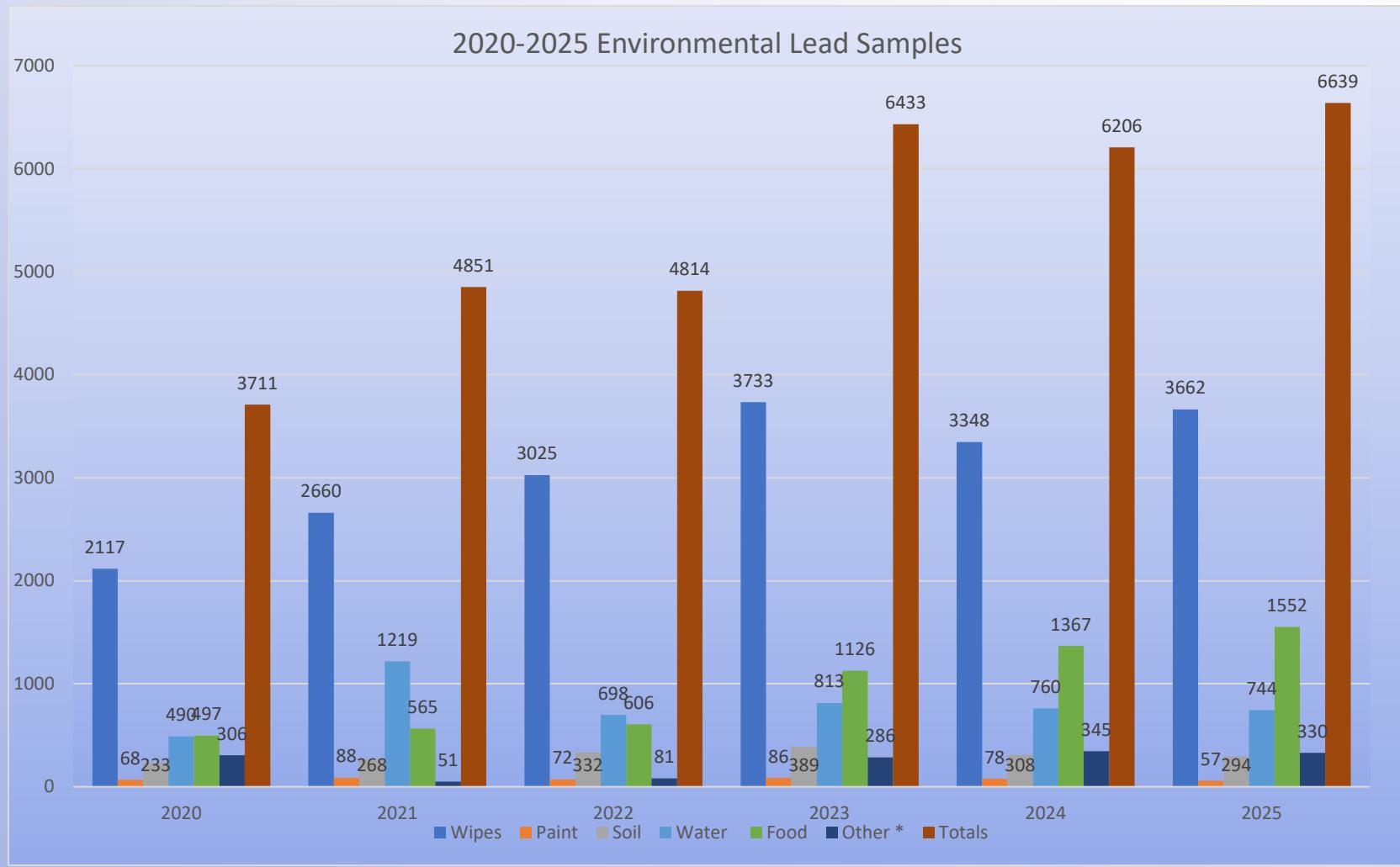
Q: Will the LWP incorporate the Environmental Lead program in the future?

A: That's difficult to say. The LWP would require significant improvements to include the ability to handle the variable matrices of the CLPPP.

Currently, there is no plan to add Environmental Lead to the LWP, but there is a larger goal of moving to a more paperless system.



Environmental Lead Program Summary



Environmental Lead Program Summary

Lab Improvements

- Reduced sample turnaround in 2025
Approx 33% reduced TAT compared to 2024
- New instrumentation
 - ICP-OES (summer 2025)
 - analysis of wipes, paint chips, and soils
 - ICP-MS (approved/pending)
 - analysis of drinking water and food (low DL)



Contact

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